FIG. 1

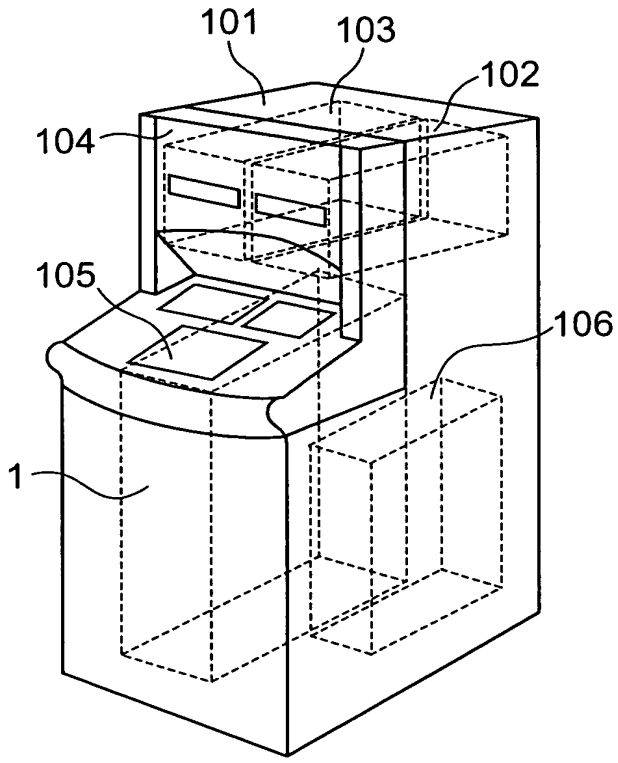


FIG. 2

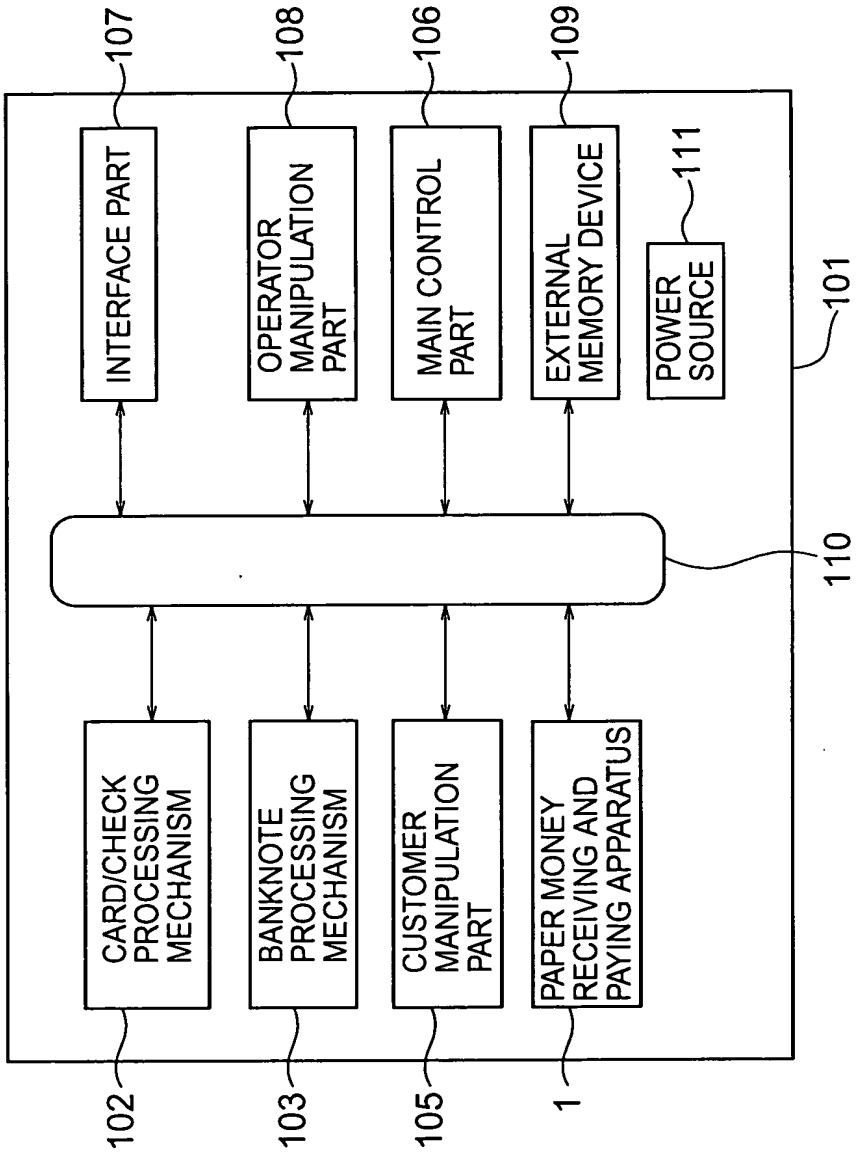

107
108
106
109
INTERFACE PART
OPERATOR MANIPULATION PART
MAIN CONTROL PART
EXTERNAL MEMORY DEVICE
111
POWER SOURCE
101
110
CARD/CHECK PROCESSING MECHANISM
BANKNOTE PROCESSING MECHANISM
CUSTOMER MANIPULATION PART
PAPER MONEY RECEIVING AND PAYING APPARATUS
102
103
105
1

FIG. 3

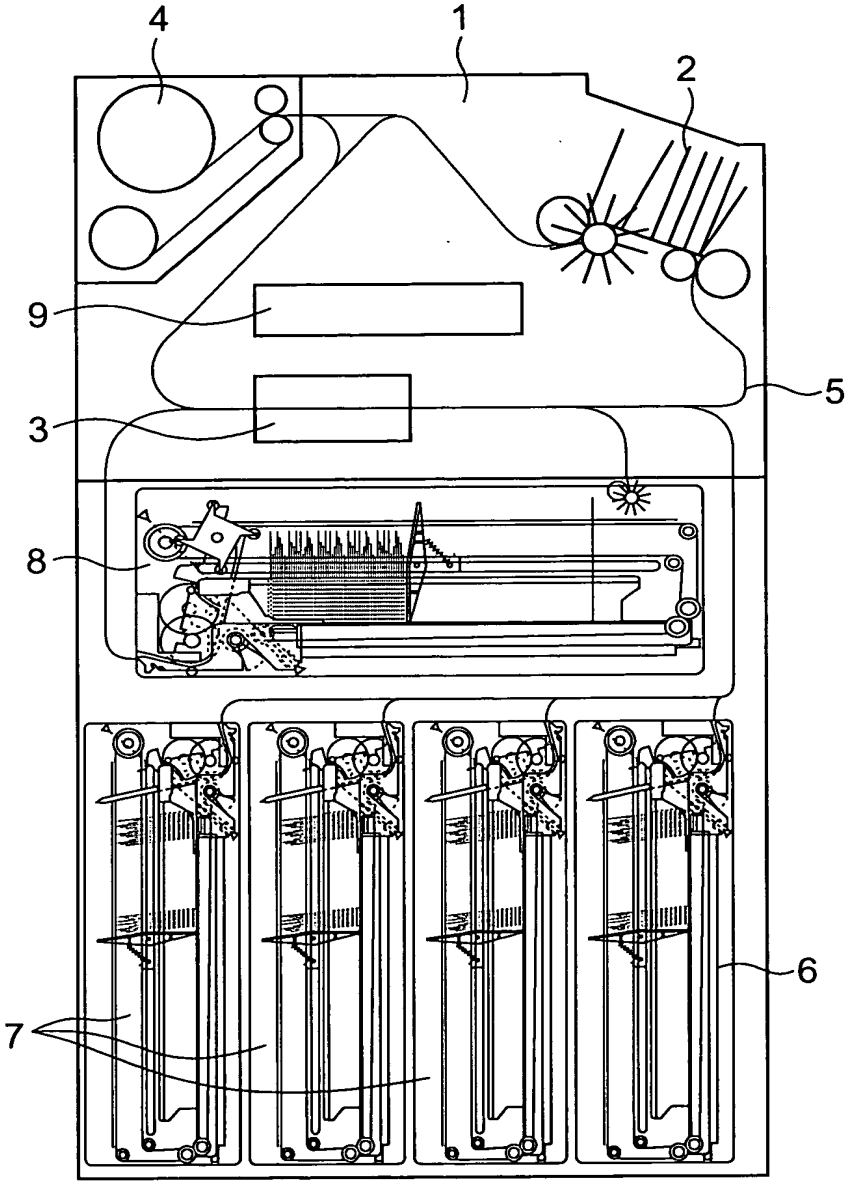


FIG. 4

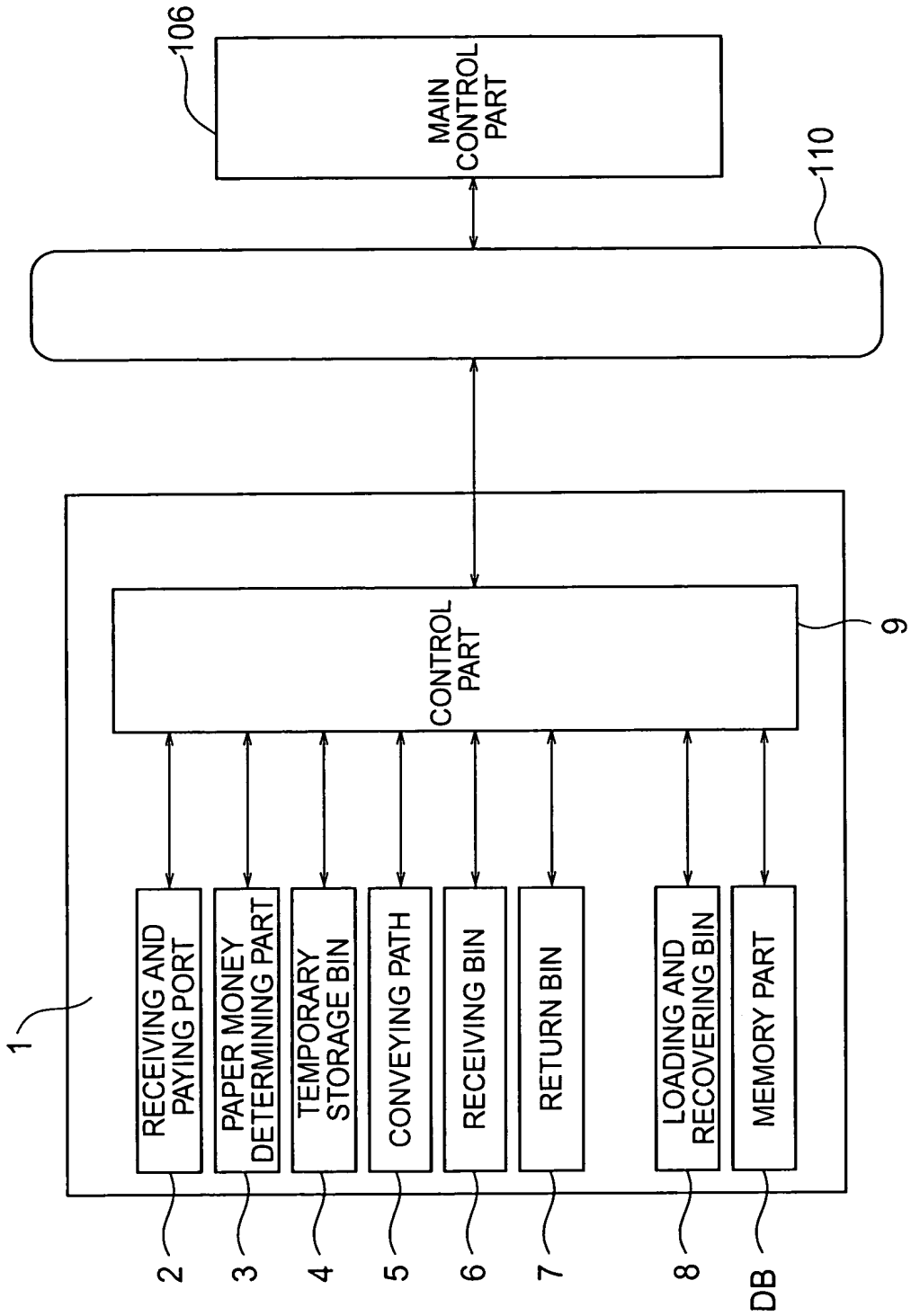

106
MAIN CONTROL PART
110
CONTROL PART
9
1
RECEIVING AND PAYING PORT
PAPER MONEY DETERMINING PART
TEMPORARY STORAGE BIN
CONVEYING PATH
RECEIVING BIN
RETURN BIN
LOADING AND RECOVERING BIN
MEMORY PART
2
3
4
5
6
7
8
DB

FIG. 5

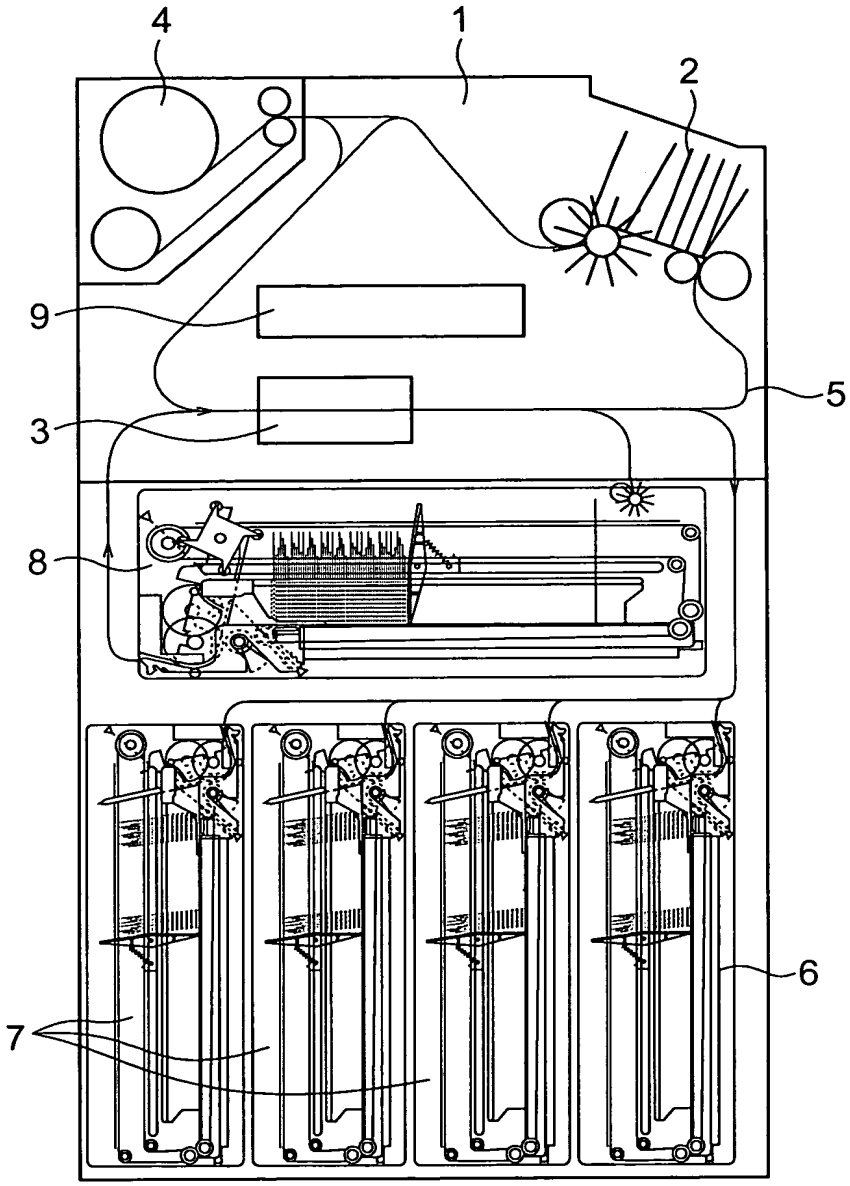


FIG. 6

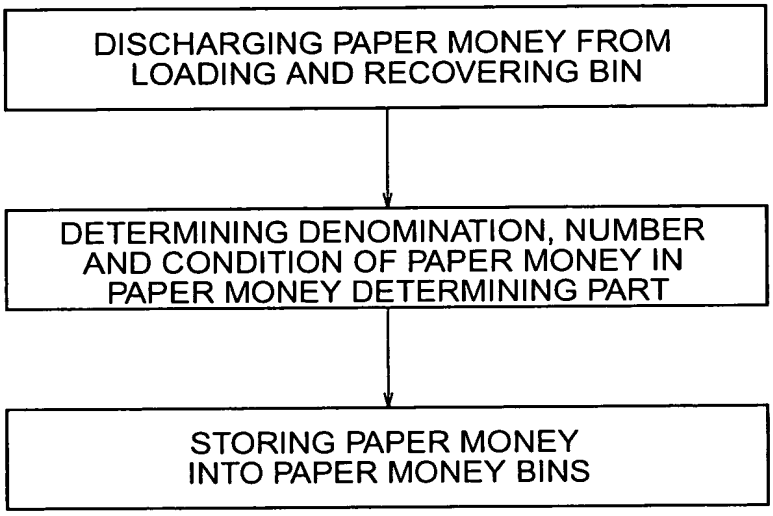

DISCHARGING PAPER MONEY FROM LOADING AND RECOVERING BIN
DETERMINING DENOMINATION, NUMBER AND CONDITION OF PAPER MONEY IN PAPER MONEY DETERMINING PART
STORING PAPER MONEY INTO PAPER MONEY BINS

FIG. 7

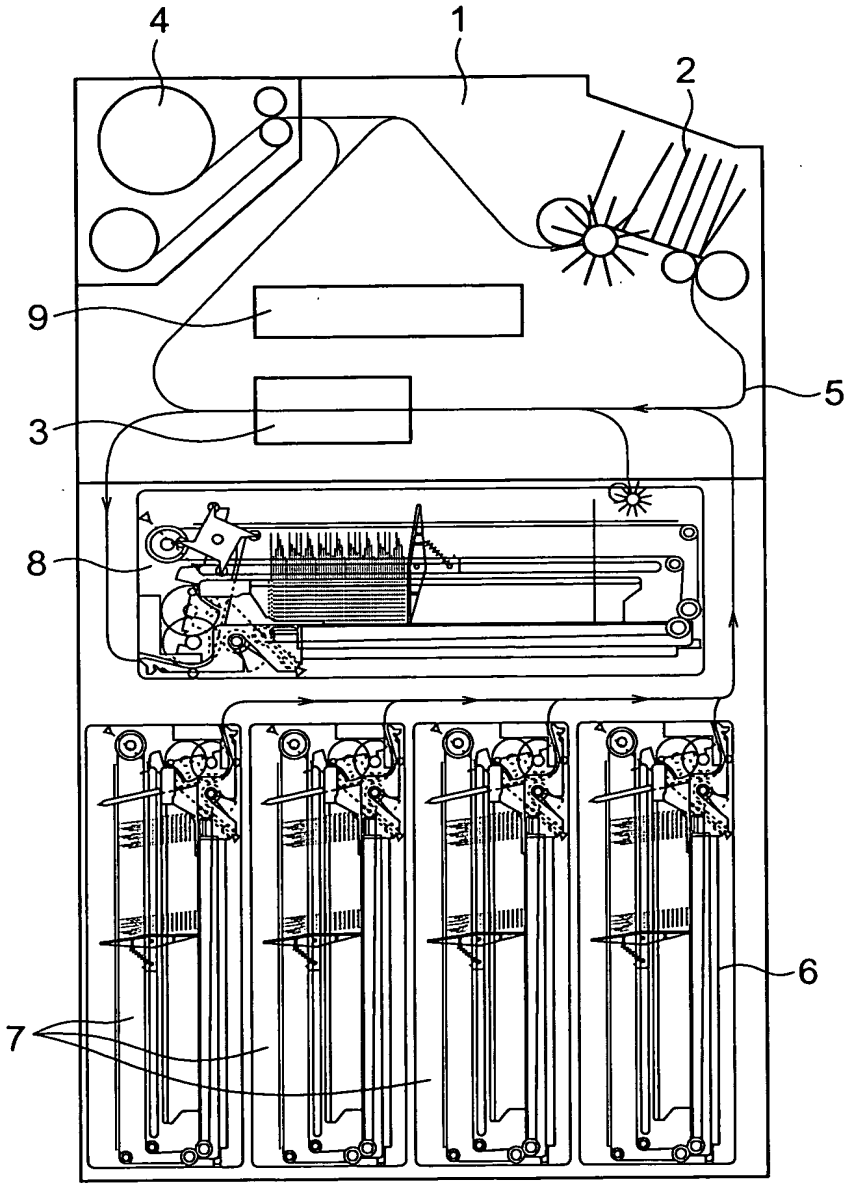


FIG. 8

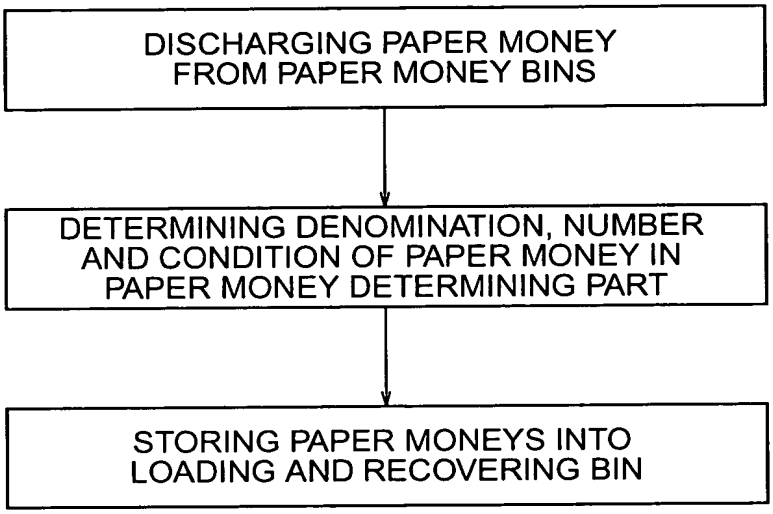

DISCHARGING PAPER MONEY FROM PAPER MONEY BINS
DETERMINING DENOMINATION, NUMBER AND CONDITION OF PAPER MONEY IN PAPER MONEY DETERMINING PART
STORING PAPER MONEYS INTO LOADING AND RECOVERING BIN

FIG. 9

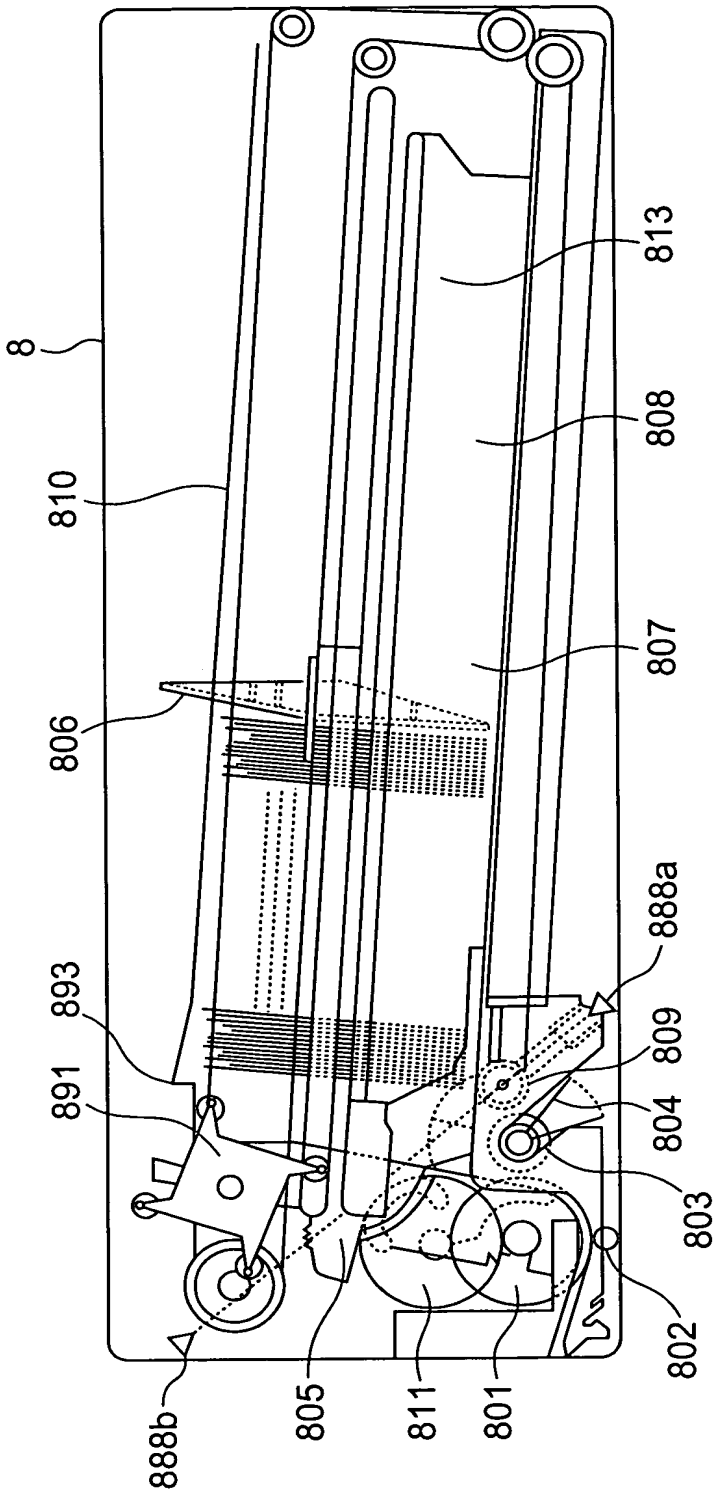

8
810
806
893
891
888b
805
811
801
802
803
804
809
888a
807
808
813

FIG. 10

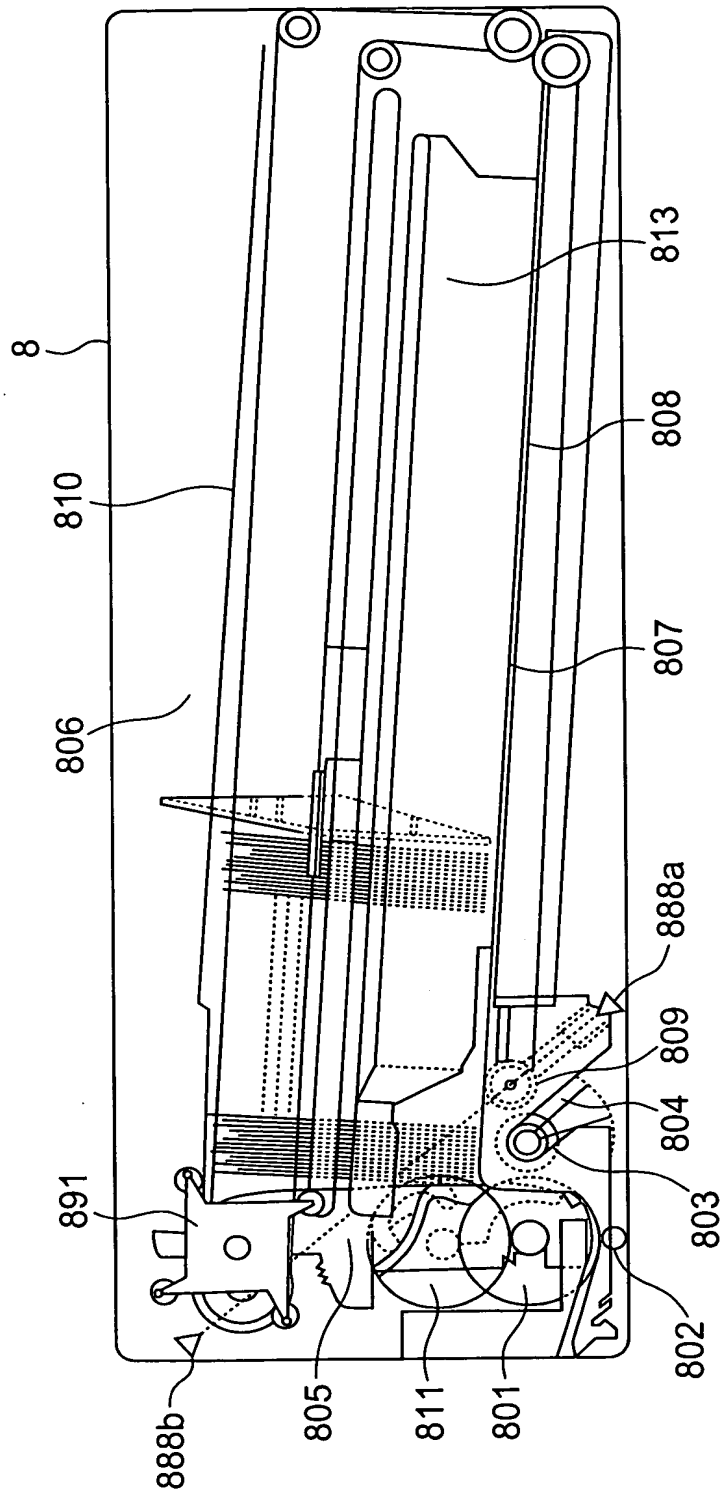


FIG. 11

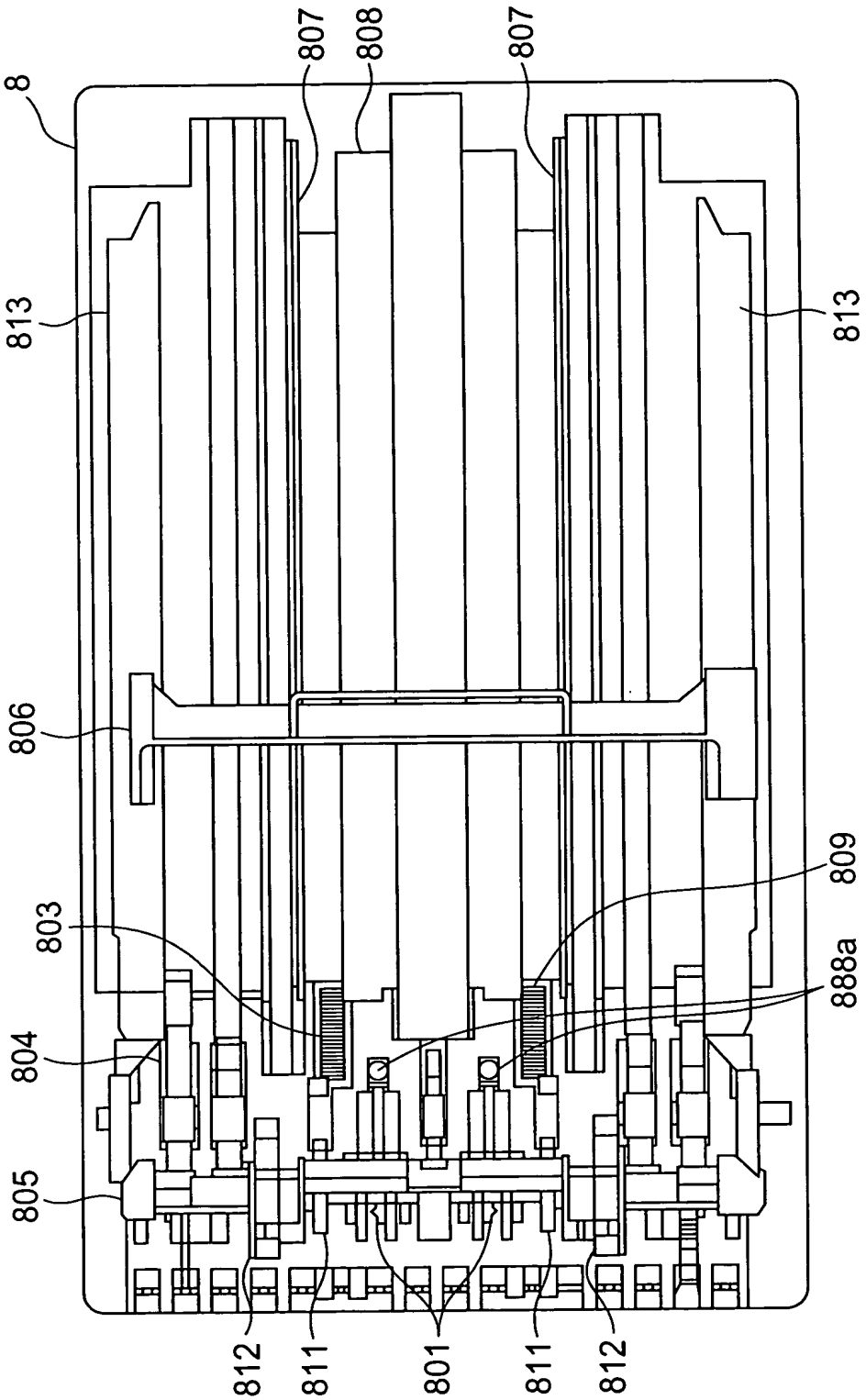

8
807
808
807
813
813
806
809
803
888a
804
805
812
811
801
811
812

FIG. 12

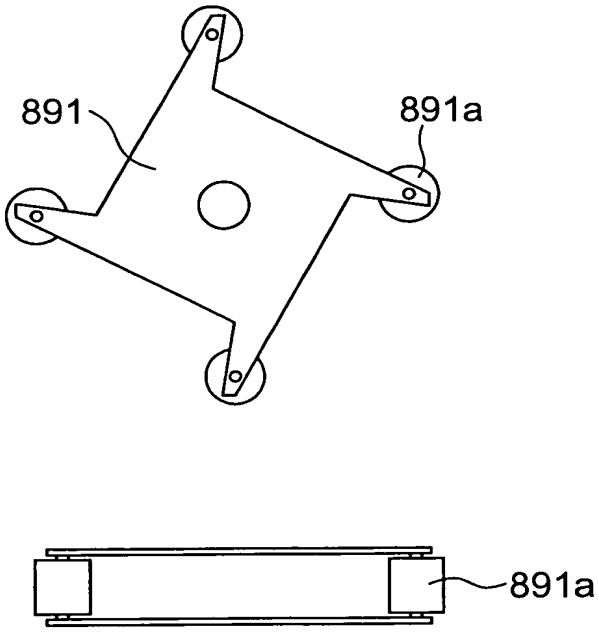


FIG. 13

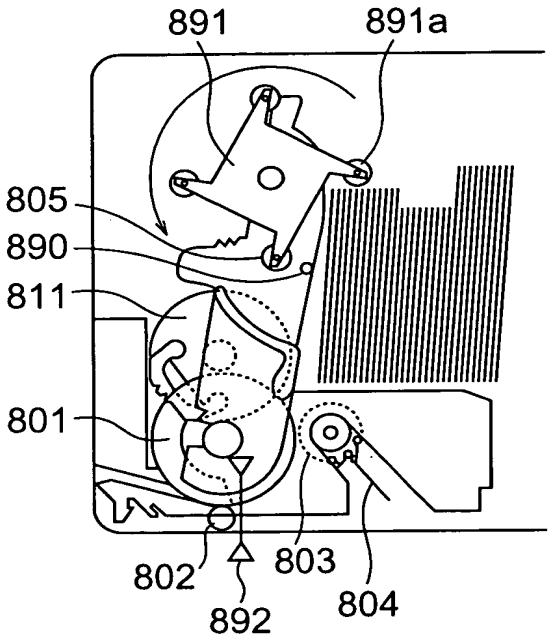


FIG. 14

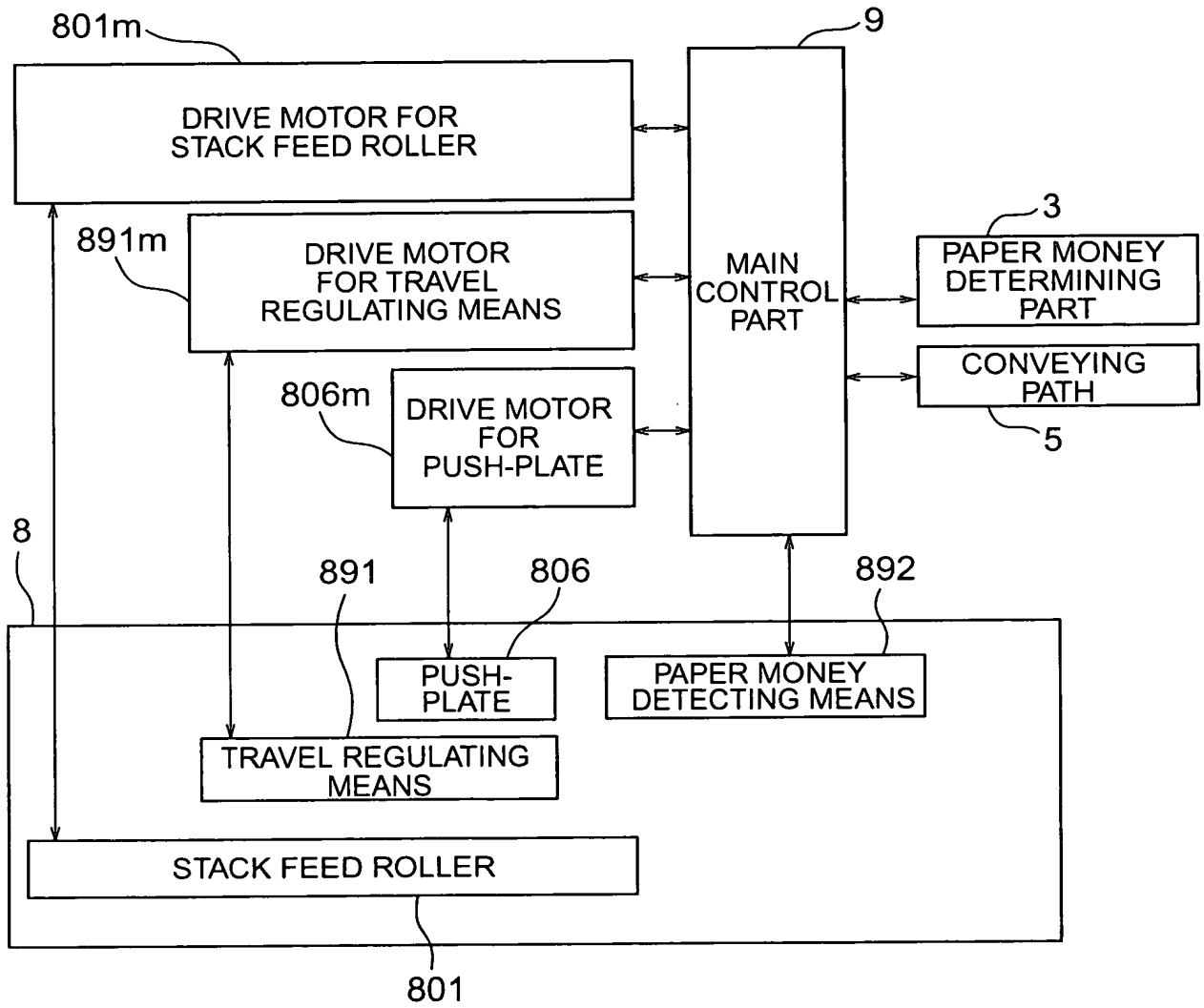

801m
DRIVE MOTOR FOR STACK FEED ROLLER
9
891m
DRIVE MOTOR FOR TRAVEL REGULATING MEANS
MAIN CONTROL PART
3
PAPER MONEY DETERMINING PART
CONVEYING PATH
5
806m
DRIVE MOTOR FOR PUSH-PLATE
8
891
806
892
PUSH-PLATE
PAPER MONEY DETECTING MEANS
TRAVEL REGULATING MEANS
STACK FEED ROLLER
801

FIG. 15

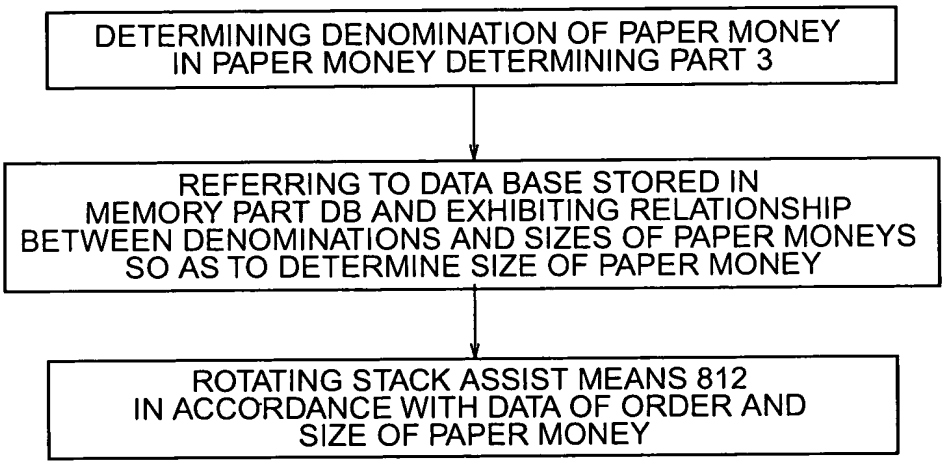

DETERMINING DENOMINATION OF PAPER MONEY IN PAPER MONEY DETERMINING PART 3
REFERRING TO DATA BASE STORED IN MEMORY PART DB AND EXHIBITING RELATIONSHIP BETWEEN DENOMINATIONS AND SIZES OF PAPER MONEYS SO AS TO DETERMINE SIZE OF PAPER MONEY
ROTATING STACK ASSIST MEANS 812 IN ACCORDANCE WITH DATA OF ORDER AND SIZE OF PAPER MONEY

FIG. 16

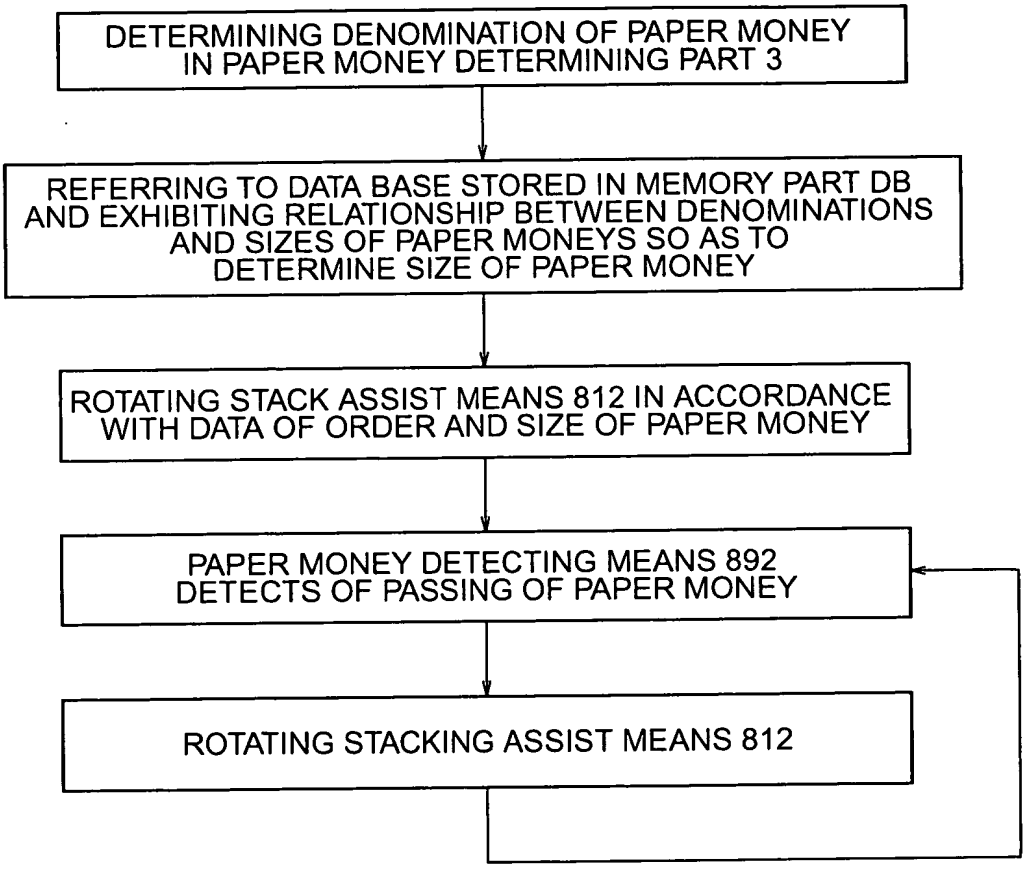

DETERMINING DENOMINATION OF PAPER MONEY IN PAPER MONEY DETERMINING PART 3
REFERRING TO DATA BASE STORED IN MEMORY PART DB AND EXHIBITING RELATIONSHIP BETWEEN DENOMINATIONS AND SIZES OF PAPER MONEYS SO AS TO DETERMINE SIZE OF PAPER MONEY
ROTATING STACK ASSIST MEANS 812 IN ACCORDANCE WITH DATA OF ORDER AND SIZE OF PAPER MONEY
PAPER MONEY DETECTING MEANS 892 DETECTS OF PASSING OF PAPER MONEY
ROTATING STACKING ASSIST MEANS 812

FIG. 17

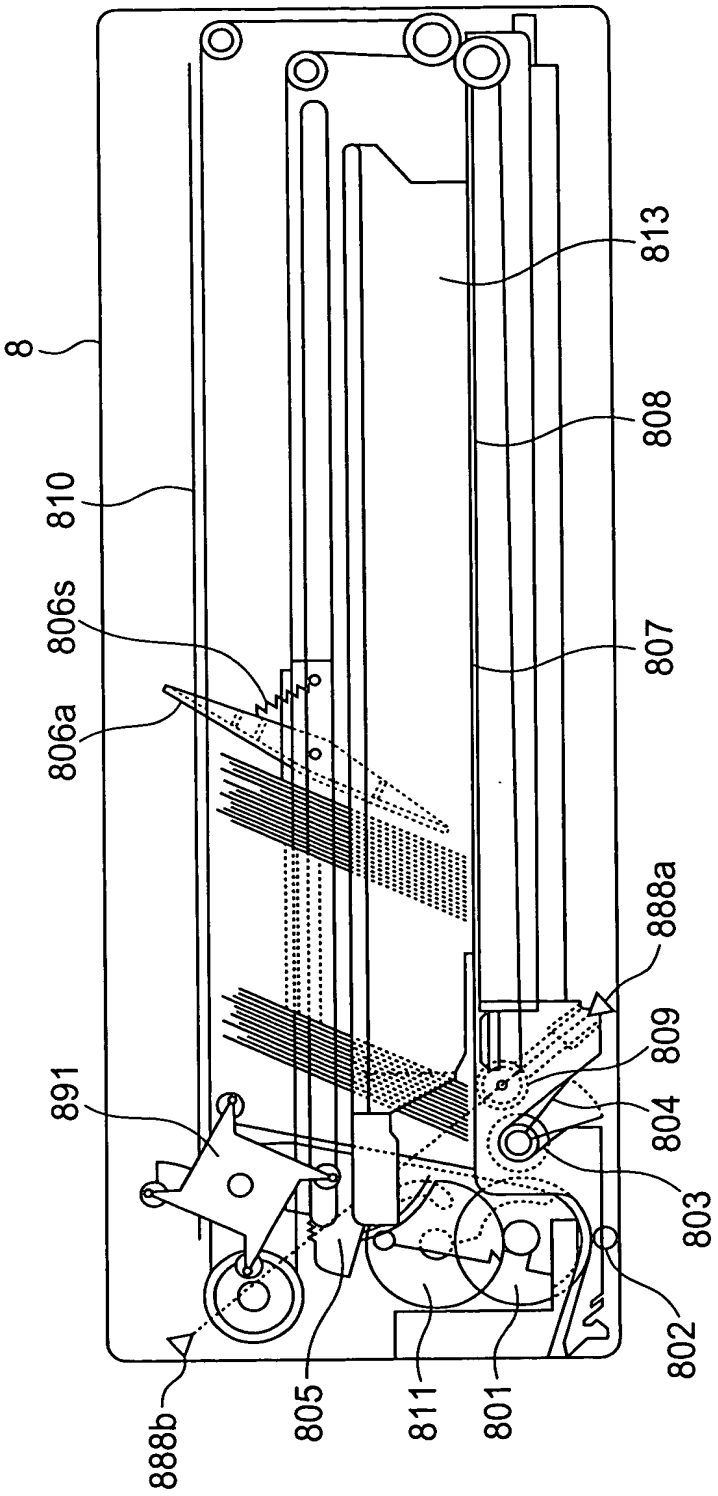

8
810
806s
806a
891
888b
805
811
801
802
803
804
809
888a
807
808
813

FIG. 18

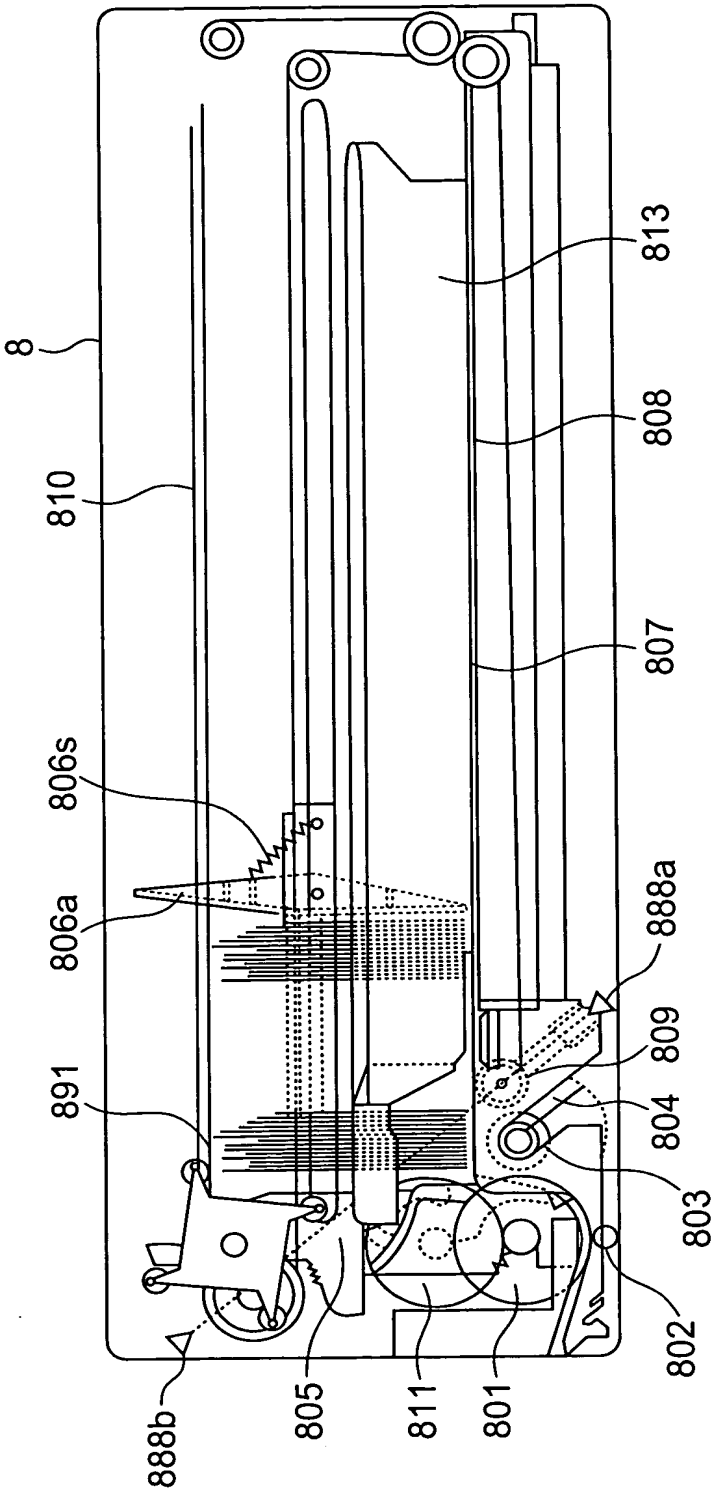

8
810
806s
806a
891
888b
805
811
801
802
803
804
809
888a
807
808
813

FIG. 19

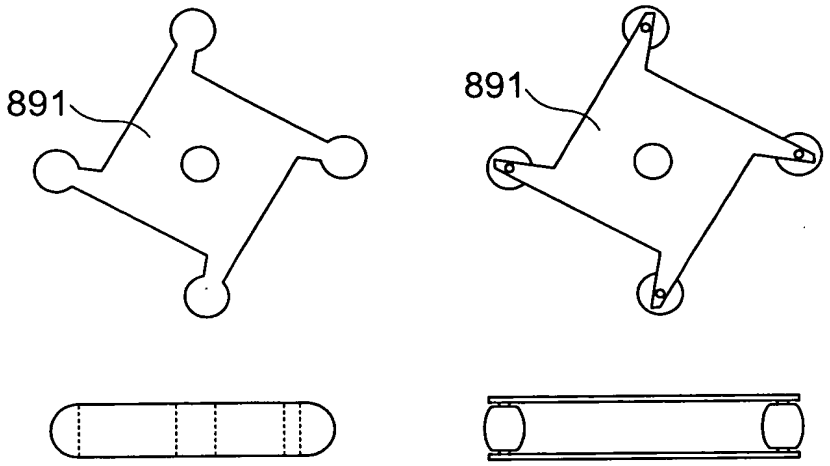


FIG. 20

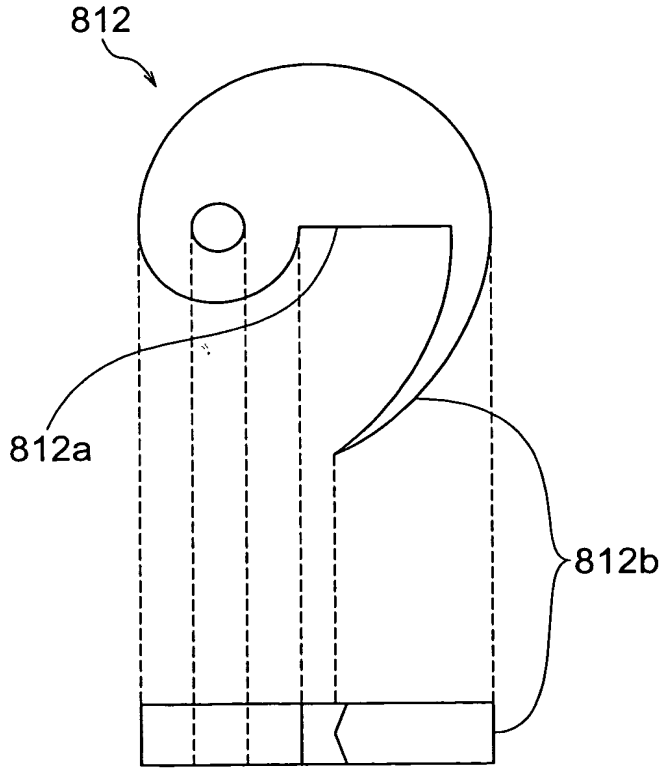


FIG. 21

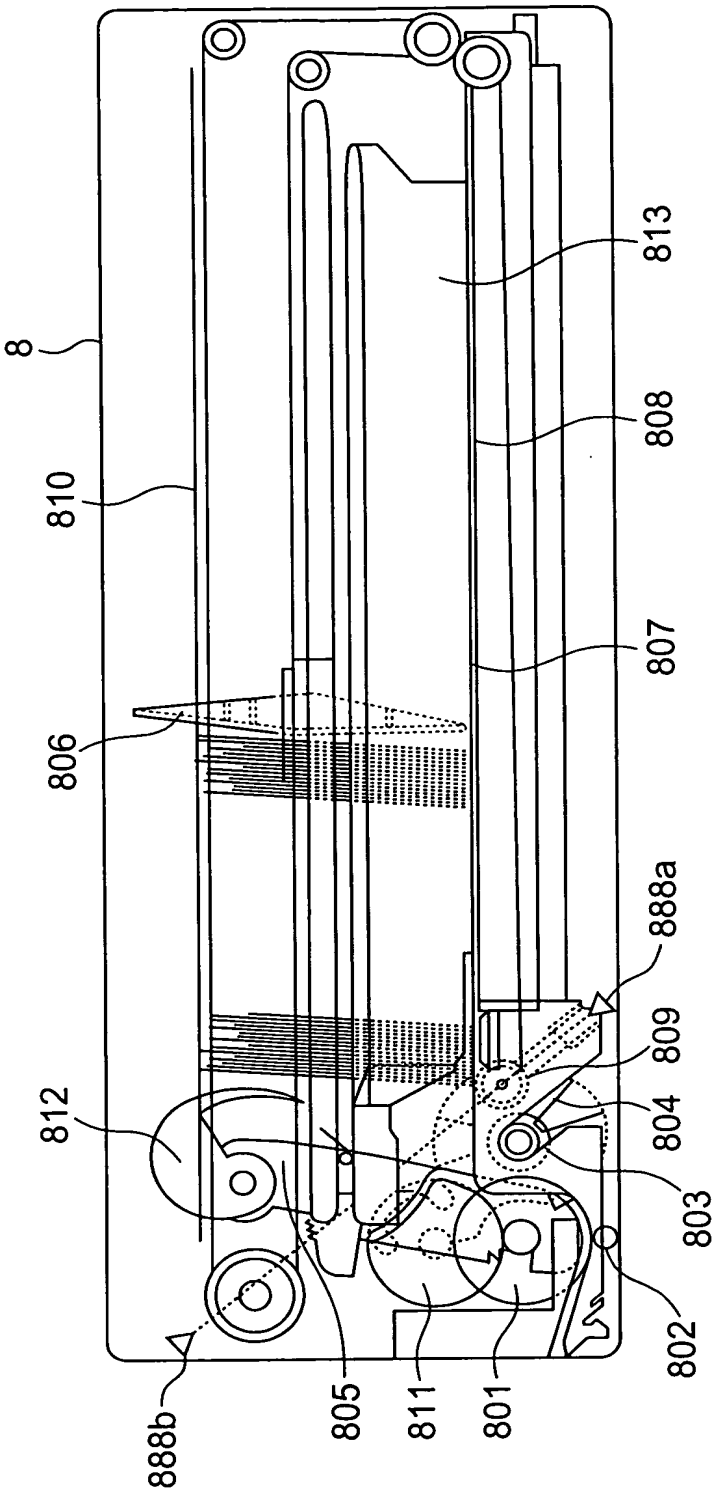


FIG. 22

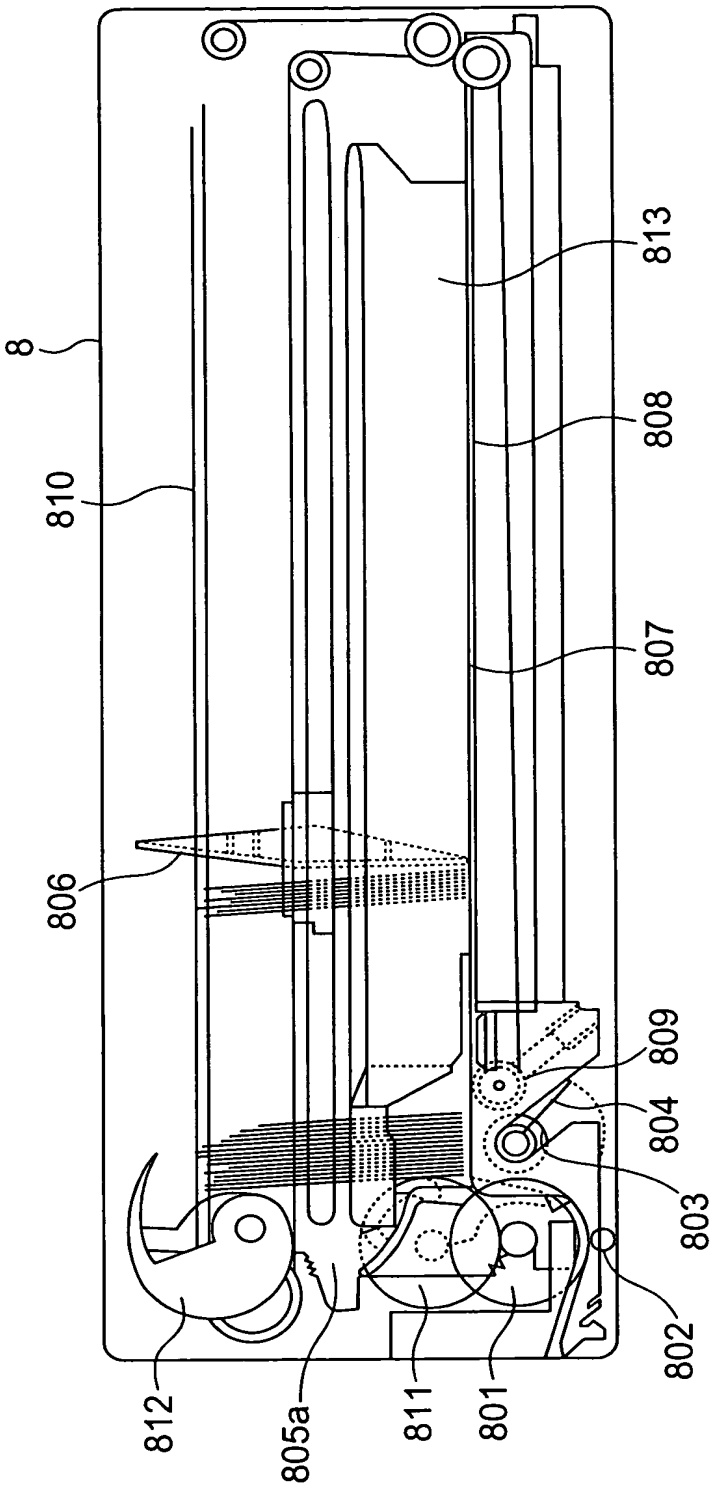


FIG. 23

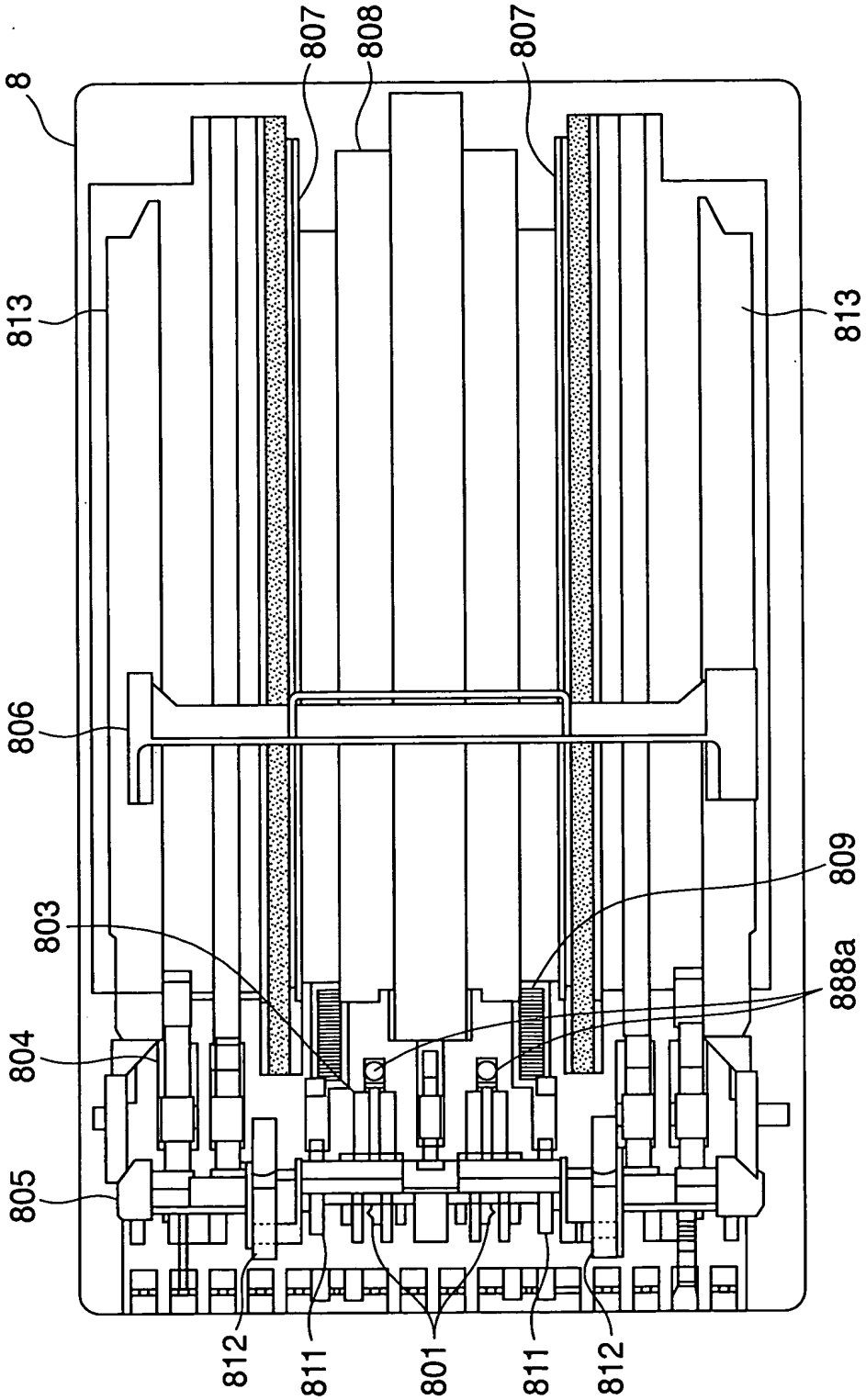

8
807
808
807
813
813
806
809
803
888a
804
805
812
811
801
811
812

FIG. 24

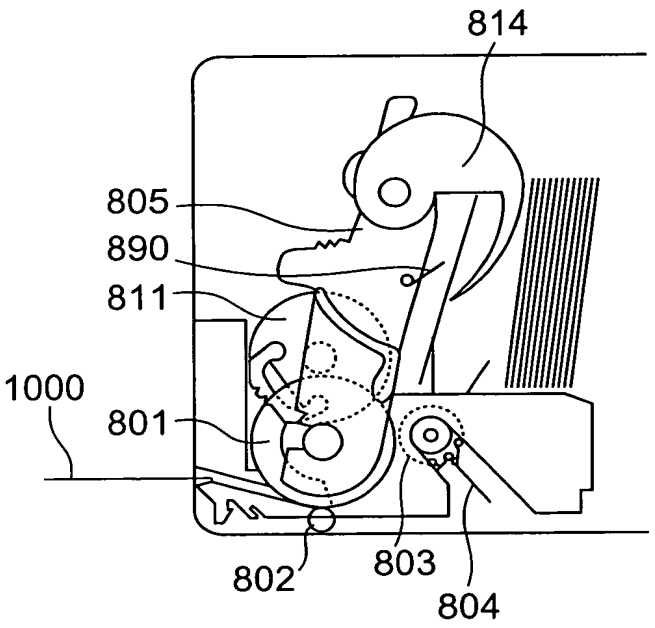


FIG. 25

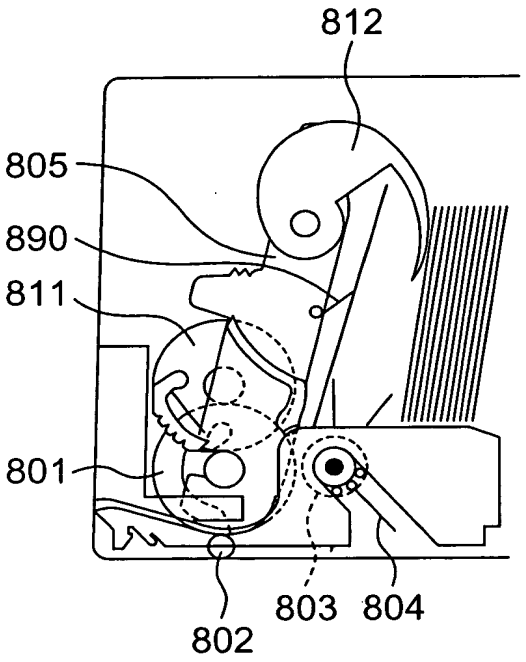


FIG. 26

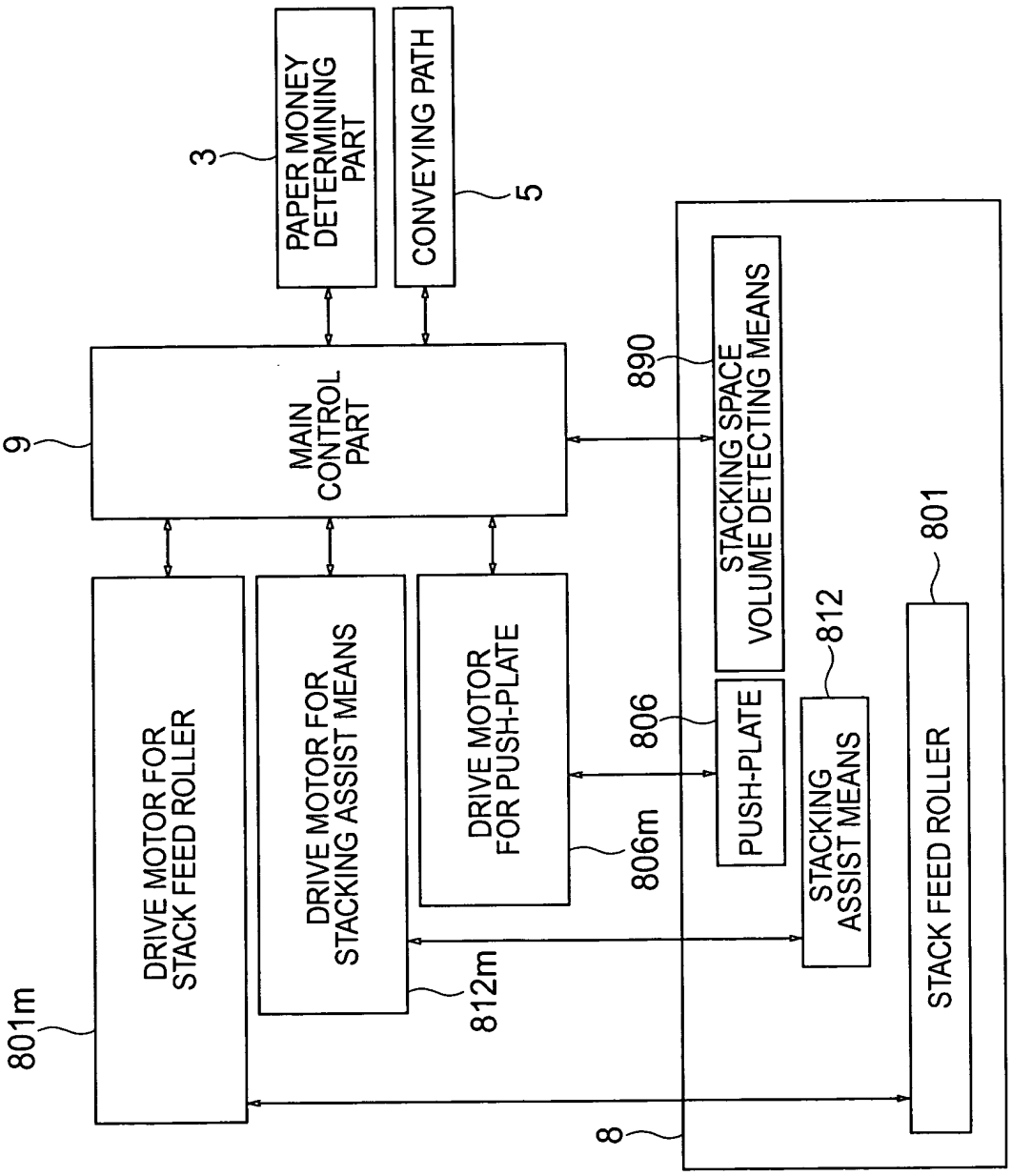

3
PAPER MONEY DETERMINING PART
CONVEYING PATH
5
9
MAIN CONTROL PART
890
STACKING SPACE VOLUME DETECTING MEANS
801
812
806
PUSH-PLATE
STACKING ASSIST MEANS
STACK FEED ROLLER
DRIVE MOTOR FOR STACK FEED ROLLER
DRIVE MOTOR FOR STACKING ASSIST MEANS
DRIVE MOTOR FOR PUSH-PLATE
801m
812m
806m
8

FIG. 27A

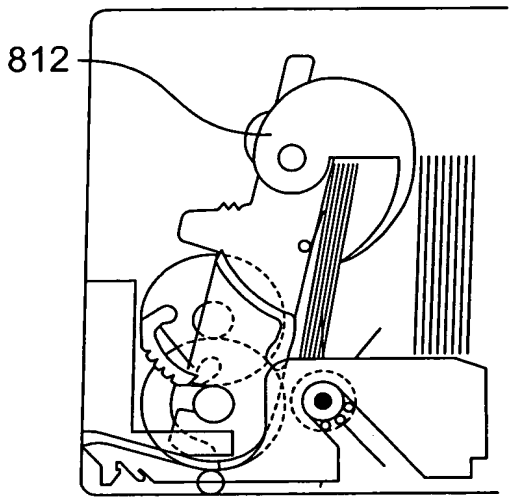


FIG. 27B

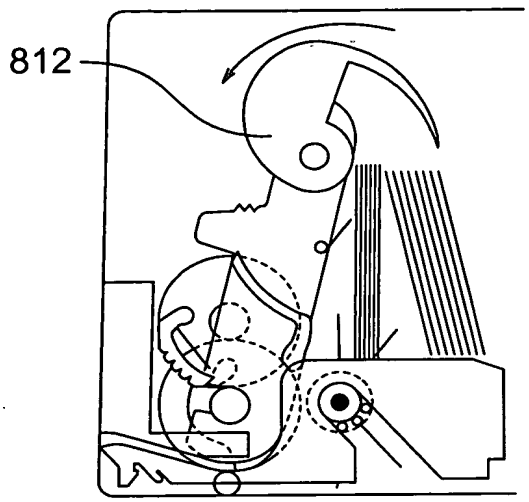


FIG. 27C

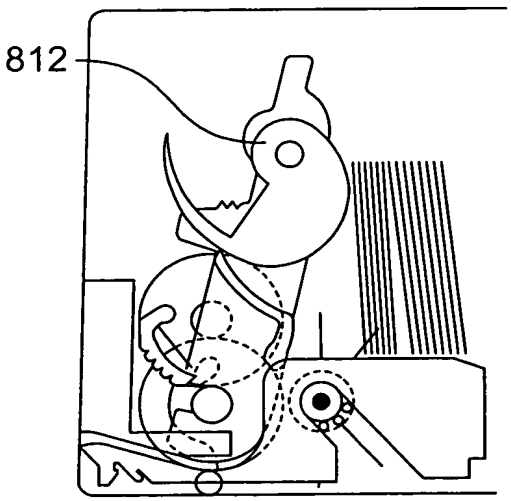


FIG. 27D

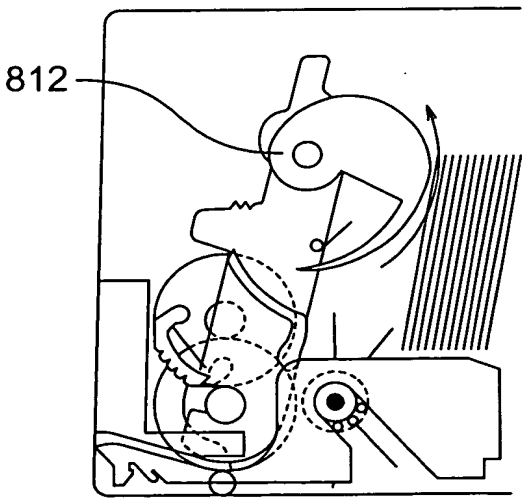


FIG. 28

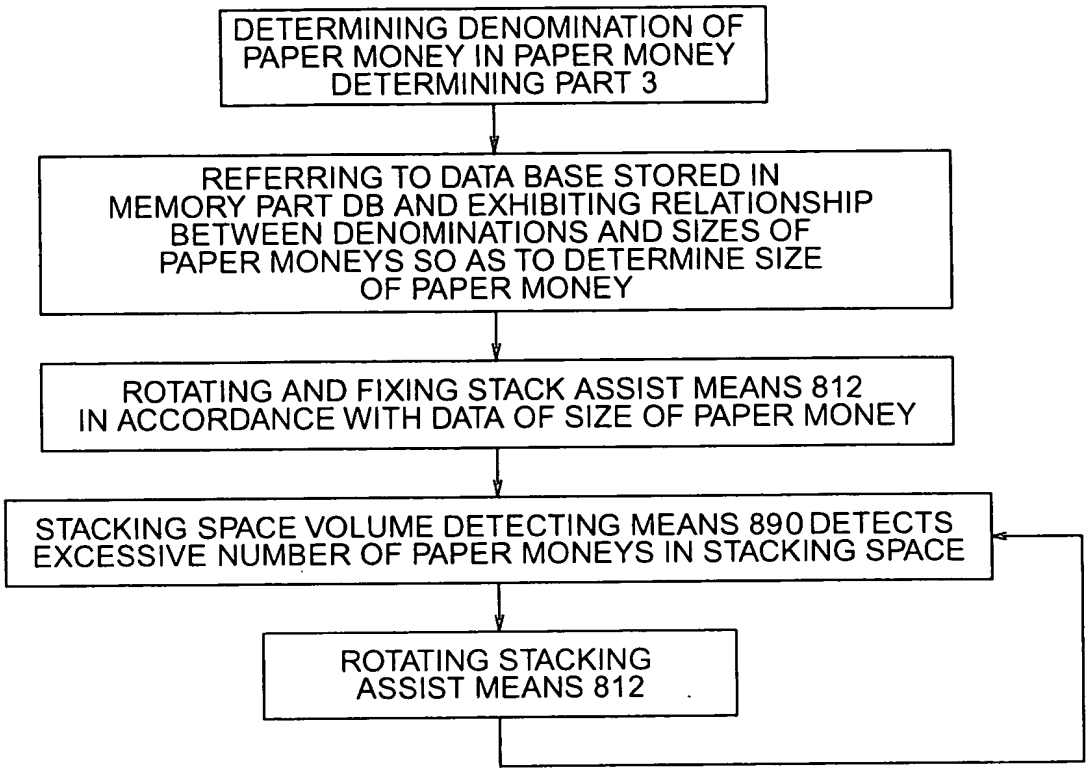

DETERMINING DENOMINATION OF PAPER MONEY IN PAPER MONEY DETERMINING PART 3
REFERRING TO DATA BASE STORED IN MEMORY PART DB AND EXHIBITING RELATIONSHIP BETWEEN DENOMINATIONS AND SIZES OF PAPER MONEYS SO AS TO DETERMINE SIZE OF PAPER MONEY
ROTATING AND FIXING STACK ASSIST MEANS 812 IN ACCORDANCE WITH DATA OF SIZE OF PAPER MONEY
STACKING SPACE VOLUME DETECTING MEANS 890 DETECTS EXCESSIVE NUMBER OF PAPER MONEYS IN STACKING SPACE
ROTATING STACKING ASSIST MEANS 812

FIG. 29

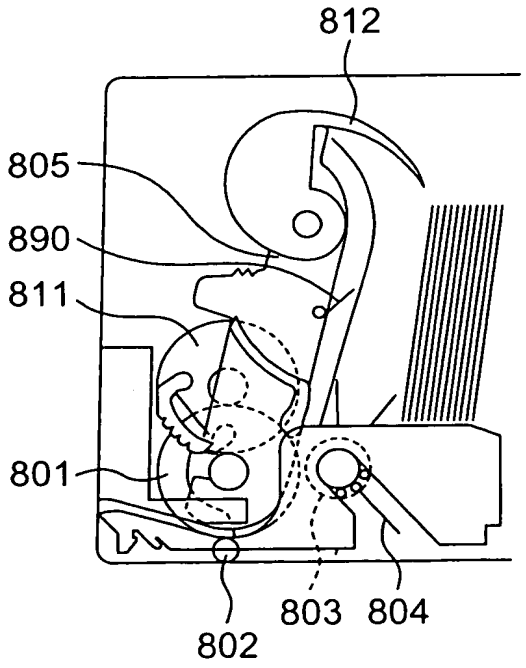
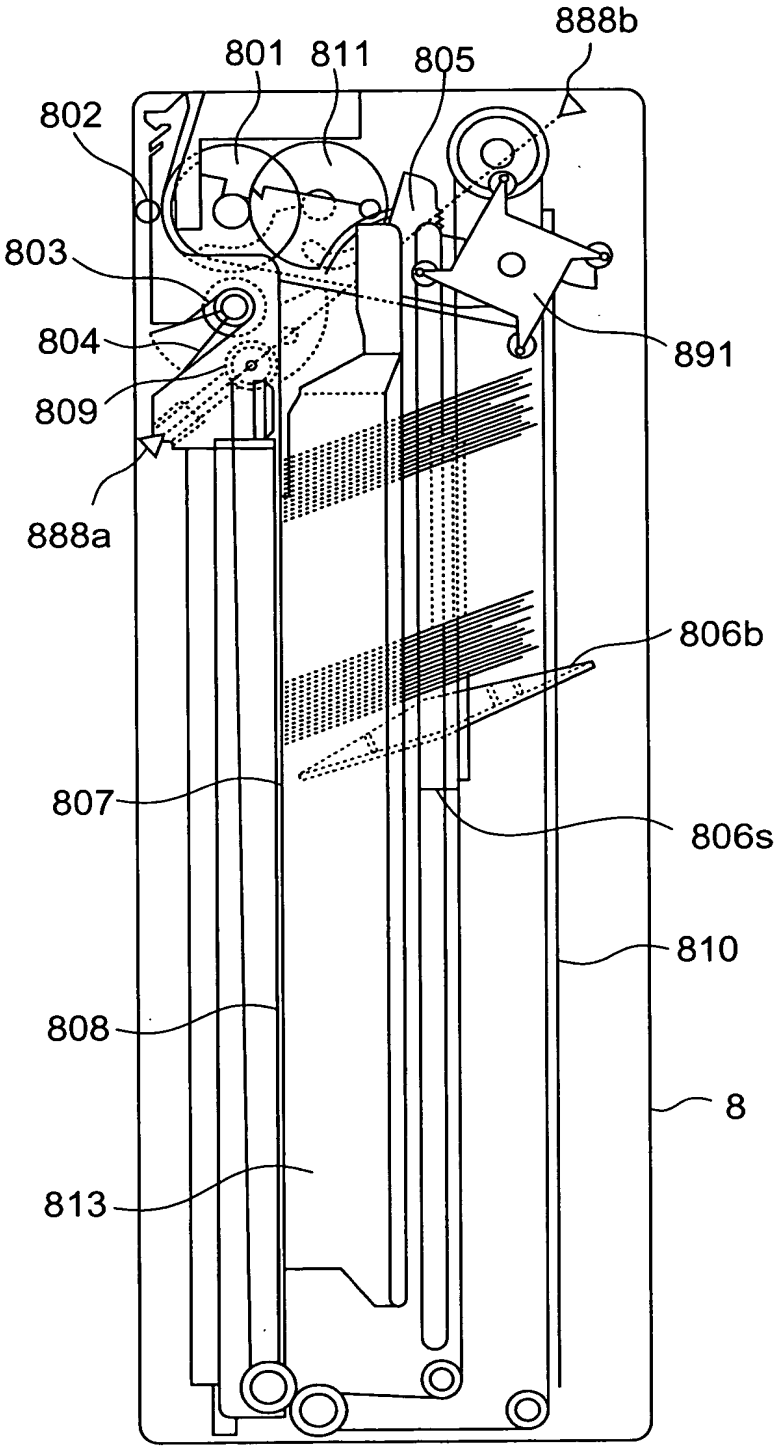

812
805
890
811
801
802
803
804

FIG. 30


888b
801
811
805
802
803
804
809
888a
891
806b
807
806s
810
808
8
813